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GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Mr. Richard A. Igercich
Refinery Manager
Chalmette Refining, L.L.C.
Post Office Box 1007
Chalmette, Louisiana 70044

Agency Interest No. 1376
Activity No.: PER20070036

RE: Part 70 Operating Permit Modification, Sulfur Recovery Unit, Hydrodesulfurization Unit, Amine Treating Unit, Sour Water Stripper, Waste Gas System, Benzene Recovery Unit and Liquefied Petroleum Gas Recovery, Chalmette Refinery, Chalmette Refining, L.L.C., Chalmette, St. Bernard Parish, Louisiana

Dear Mr. Igercich:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 30th of January, 2012 unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008

Permit No.: 3023-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
SGQ
cc: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**SULFUR RECOVERY UNIT, HYDRODESULFURIZATION UNIT, AMINE TREATING
UNIT, SOUR WATER STRIPPER, WASTE GAS SYSTEM, BENZENE RECOVERY
UNIT AND LIQUEFIED PETROLEUM GAS RECOVERY
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CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

I. Background

Chalmette Refining, L.L.C. (CRLLC) is a joint venture between ExxonMobil Corporation (EMOC) and Petroleos de Venezuela (PDV), the Venezuelan National Oil Company. Chalmette Refinery is located on the left descending bank of Mississippi River at Mile 89 above Head-of-Passes at Chalmette and is operated by EMOC. The facility operates under various Part 70 Operating permits. This permit deals with the Sulfur Recovery Unit (Unit 80), Hydrodesulfurization Unit (Unit 33), Amine Treating Unit (Unit 34 & 82), Sour Water Stripper (Unit 62), Waste Gas System (Unit 5), Benzene Recovery Unit (Unit 58) and Liquefied Petroleum Gas Recovery (Unit 92). The facility is operated under Part 70 Operating Permit No. 3023-V0 dated January 30, 2007.

Ultra Low Sulfur Diesel (ULSD) Project was approved under the Part 70 Operating Permit No. 3023-V0. This project included the addition of a new larger Hydrodesulfurization (HDS) Reactor and a new Recycle Gas Scrubber as well as associated fugitive components for hydrogen makeup/recycle compressors, piping for accessories and tanks.

Sulfur Pit Gas Recovery (SPGR) Project was also approved to recover vapors from the SRU sulfur pits. The vapors from the sulfur pits will be recycled to the SRU for processing. The project will result in sulfur dioxide emissions reduction from the Thermal Oxidizer to ensure compliance with the requirements of NSPS, Subpart J – Standards of Performance for Petroleum Refineries. The project included an addition of a new blower (or an eductor) along with associated fugitive components, instrumentation and controls. This project was independent of the ULSD Project.

II. Origin

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) dated December 18, 2007 for the Sulfur Recovery Unit, Hydrodesulfurization Unit, Amine Treating Unit, Sour Water Stripper, Waste Gas System, Benzene Recovery Unit and Liquefied Petroleum Gas Recovery Permit No. 3023-V0 modification. Additional information as of March 1, 2008 was also received.

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III. Description

Chalmette Refinery is an integrated crude operation (high conversion) which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing gasoline, diesel, benzene/toluene/xylene (BTX), distillates, and molten sulfur as well as by-products such as petroleum coke and LPG.

Sulfur Recovery Unit (SRU) - This unit consists of Acid Gas Wash Column, a Reactor Section, a Tail Gas Cleanup Section (TGCU), and Thermal Oxidizer (two trains common vent). The primary functions of these sections are to process hydrogen sulfide rich gas streams received from the Sour Water Stripper (SWS) and the Amine Treating Unit (AMU). The SRU removes the sulfur compounds and produces molten sulfur for sale. The capacity of this unit is 835 long tons per day.

Acid Gas Wash Column (AGWC) – This column scrubs the incoming amine acid gas with water to remove ammonia. The absorbed ammonia rich water is sent to the Sour Water Flash Drum in the Waste Gas System. The treated amine gas is sent to the Reaction Furnace.

Reaction Section – This section consists of three main subsystems: Claus, Hydrogenation and Contact Condenser. In the Claus section combustion and catalytic action is used to convert acid gas from the Amine Unit, SWS, and recycled TGCU gas to molten sulfur. The sulfur is condensed and sent to a storage pit; the remaining gases are routed to the hydrogenation section for further treating. In the hydrogenation section the remaining sulfur compounds are converted to hydrogen sulfide via catalytic reaction in the presence of hydrogen. The gases are then cooled and sent to the contact condenser where they are further cooled by a circulating process water stream prior to the gas entering the TGCU section.

The TGCU section recovers hydrogen sulfide for recycle to the Reaction Section. A methyl diethanolamine (MDEA) scrubber tower selectively absorbs the hydrogen sulfide which is removed in the stripper and sent to the AGWC. The unabsorbed gases from the MDEA column are sent to the thermal oxidizer.

The thermal oxidizer combusts the waste gases with air at high temperature to convert all of the sulfur compounds to sulfur dioxide as well as convert any entrained carbon monoxide to carbon dioxide.

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Hydrodesulfurization (HDS) Unit – This unit consists of a Reaction Section and a Stripper Section. The primary function of this unit is to process feed streams received from several sources: No. 1 and 2 Crude/Coker Units, Hydrocracker Unit, FCCU, and several tanks. The HDS removes sulfur and other impurities to produce a finished diesel product that is sent to storage for sales.

In the Reactor Section the feed is heated, pressurized and mixed with hydrogen where in the presence of a catalyst, chemical reactions occur which help to remove impurities. From the Reactor the product flows to a separator where the hydrogen gas is separated and recycled. The liquid hydrocarbons are sent to the Stripper Section.

In the Stripper Section unstable gases and a liquid stream containing hydrogen sulfide are removed. The product stream is sent to diesel storage.

Amine Treating Unit (AMU) – This unit consists of an Absorption Section and a Regeneration Section. The primary function of this unit is to process feed streams received from a number of process units: HDS, Cat Feed Hydrotreater (CFHT), Light Ends Plant (LEP), Pretreater No. 3 (PT3), Reformer No. 1 (RF1), Hydrocracker Unit (HCU), Waste Gas System (WGS), Gasoline Hydrotreater Unit (GHU), Fluid Catalytic Cracking Unit (FCCU), and Coker No. 1 and 2 (CK1 and CK2) to remove hydrogen sulfide and carbon dioxide by absorption in diglycolamine (DGA). The unit regenerates the DGA for recycle and for use in other units.

In the Absorption Section the treated DGA is used to remove hydrogen sulfide and carbon dioxide from the various feed streams entering the unit. The feed is cooled and then sent to a separator where the hydrocarbons are removed prior to the gases entering a contactor where the absorption occurs. The treated overhead gas is sent to the Refinery Fuel Gas System for use in the gas burning equipment. Any recovered liquid hydrocarbons are sent to the liquids recovery system. The DGA containing the contaminants is sent to the Regeneration Section.

In the Regeneration Section the absorbed hydrogen sulfide and any entrained hydrocarbons are removed from the DGA and the DGA is recycled back to the Absorption Section. The feed DGA is first sent to a flash drum where hydrocarbon gases are removed. The stream then enters a stripper column where steam is used to remove the hydrogen sulfide; these gases are routed to the SRU for further processing. Any condensed hydrocarbons are sent back to the stripper. The treated DGA is cooled, filtered and returned to the Absorption Section.

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Sour Water Stripper (SWS) – This unit consists of a Degasser Section and a Stripper Section. The primary function of this unit is to process sour water feed streams from most of the process units at the refinery. The SWS removes hydrogen sulfide and ammonia which are sent to the SRU for treatment. The stripped water is recycled back to several process units.

In the Degasser Section both gaseous and liquid hydrocarbons are removed from the incoming feed. The hydrocarbon gases are sent to the WGS while the liquids are sent to the refinery slop oil system. The water is sent to the Stripper Section.

In the Stripper Section hydrogen sulfide and ammonia are removed from the sour water feed streams by contact with hot vapors from the reboiler. The removed gases are cooled and sent to the SRU for treatment. The cleaned water is recycled back to several process units.

Waste Gas System (WGS) – This unit consists of a High Pressure Train and a Low Pressure Train. The primary function of this unit is to collect all low pressure waste gas streams in the refinery. The WGS increases the pressure of the gases and sends them to the Amine Unit for fuel gas treatment.

The Low Pressure Train receives the lowest pressure gases and the High Pressure Train receives the slightly high pressure gases. In each train the gases first enter a knockout drum to remove any liquids; then enter the first stage of compression. Following the first stage compression the gases pass through another knockout drum to remove any condensed liquids and then enter the second stage of compression before combining the gases from both trains and entering a last knockout drum. The compressed gases are sent to the Amine Unit for treatment. Recovered liquids are separated into a water fraction that is sent to the SWS and a hydrocarbon fraction that is sent to the Crude Unit for further treatment.

Benzene Recovery Unit (BRU) – This unit consists of a Benzene Stripper and a BRU Skid. The primary function of this unit is to remove gas and liquid hydrocarbons, including benzene, from the process water from a number of units in the refinery.

The Benzene Stripper uses steam to strip benzene and other volatile organic compounds from the waste water stream. The recovered water is sent to the API Separator at the WWTP. The stripped VOCs, benzene and steam are sent to the BRU Skid.

The BRU skid processes the Benzene Stripper overhead to separate the water from the benzene and other VOCs. The water is recycled back to the Benzene Stripper. The

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recovered hydrocarbons are sent to the WGS while the liquids are sent to the refinery slop system.

Liquefied Petroleum Gas Recovery (LPG) – This unit consists of a Compressor and a Separator. The primary function of this unit is to produce a fuel gas stream for use in the refinery fuel gas system and to recover LPG liquids that are sent to the Light Ends Plant for further processing.

Sweetened fuel gas from the AMU contactors enters a knockout drum to remove any entrained liquids before entering the LPG compressor. The compressor increases the pressure of the gas. Following compression the gas is cooled and any entrained condensate removed. The compressed fuel gas is sent to the refinery fuel system.

The recovered liquids are sent to a separator. In the separator, water is removed and sent to the SWS; gases are combined with the compressed fuel gas and liquids are sent to the Light Ends Plant for further processing.

Chalmette Refining, L.L.C proposes to modify the Part 70 Operating Permit No. 3023-V0. The proposed modifications are as follows:

1. Update emission calculation methodologies based on revised factors per stack tests and operating conditions;
2. Incorporate the provisions based on the installation of a catalytic converter (control device) approved under an Authorization to Construct/Approval to Operate dated November 20, 2006 on the Waste Gas Compressor K-406 and emissions changes for Waste Gas Compressors (K-400, 401, and 402) based on recent performance tests and current operation of WGS;
3. Revise Sulfur Recovery Unit (SRU) Thox (F-8003/8053, Emission Point 46) emissions based on the results of Optimization Study as per the Consent Decree and updated calculation methodology;
4. Revise emissions based on duty for the HDS Stripper Reboiler Heater F-3301 due to extended time between reactor catalyst change outs;
5. Revise the maximum hour emission limit for PM₁₀ and VOC by adding 5% contingency for the combustion units in general;
6. Revise current tanks throughput and emissions based on the recent operations study;

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7. Revise the fugitive emissions based on the updated fugitive count and the current Leak Detection and Repair (LDAR) program;
8. Incorporate the Consent Decree requirements for the SRU; Sulfur Pit Gas Recovery Project under progress;
9. Update the Insignificant Activities List based on the control measures for catalyst loading and tanks based on the recent audit; and
10. Update the regulatory requirements as appropriate.

The change in SRU Train 1/2 Thermal Oxidizer (F-8003/8053) emissions based on the Optimization Study and the calculation methodology is as follows:

<u>Pollutant</u>	<u>Before*</u>	<u>After</u>	<u>Change</u>
PM ₁₀	1.63	1.84	+ 0.21
SO ₂	58.75	65.73	+ 6.98
NO _x	55.77	60.04	+ 4.27
CO	203.73	328.97	+ 125.24
VOC	0.13	0.16	+ 0.03

* Permitted emissions are being used as the Part 70 permits were issued in January 2007 which included the ULSD and SPGR Projects.

The Optimization Study was conducted on the SRU Thox as per the requirements of U.S. EPA Consent Decree No. 05-4662 B(i), a New Source Review (NSR) Global Settlement between U.S. EPA and State of Louisiana verses Chalmette Refining, L.L.C. filed on April 26, 2006. The study included 1) a detailed evaluation of the Sulfur Recovery Plant design, capacity, operating parameters and efficiency including catalytic activity and material balance; 2) a thorough review of each critical piece of process equipment and instrumentation within Claus Trains; 3) establishment of baseline data through testing and measurement of key parameters through out Claus Trains; 4) establishment of the thermodynamics process model of the Claus Trains; and 5) verification through testing and analysis of CEMs data.

During the Optimization Study it was determined that the criteria pollutant emissions from the SRU Thox (F-8003/8053, Emission Point 46) were higher than previously calculated. There was no modification (new equipment or change in the method of operation) undertaken at the SRU Thox. These changes were due to revised calculations

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(actual operating temperature higher than the estimated temperature) and do not result in actual emissions increase to the atmosphere. Therefore, PSD review is not required. The National Ambient Air Quality Standards (NAAQS) will not be exceeded due to higher emissions numbers from the Optimization Study, because the previous modeling was conducted under the Administrative Order of Consent (AOC) which had higher emissions limits than the current permitted emissions. Also, there is no change in the existing Best Available Control technology (BACT) analysis

Total permitted emissions from the SRU, HDS, AMU, SWS, WGS, BRU and LPG based on the current operating conditions which reflect the updated emission factors and the above referenced changes in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	6.48	6.61	+ 0.13
SO ₂	66.43	74.21	+ 7.78
NO _X	235.23	168.09	- 67.14
CO	385.82	410.41	+ 24.59
VOC	258.70	147.20	- 111.50

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
1,3-Butadiene	0.04	0.02	- 0.02
2,2,4-Trimethylpentane	0.07	0.01	- 0.06
2-Propenamide	0.002	0.001	- 0.001
Benzene	1.35	0.73	- 0.62
Biphenyl	0.11	0.10	- 0.01
Carbon disulfide	0.001	0.001	-
Chlorobenzene	0.001	0.001	-
Cresol	0.10	0.13	+ 0.03
Cumene	0.04	0.03	- 0.01
Ethyl benzene	0.36	0.36	-
Methanol	1.05	1.53	+ 0.48
Methyl ethyl ketone	0.10	0.15	+ 0.05

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VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Methyl isobutyl ketone	0.001	0.002	+ 0.001
Methyl tert-butyl ether	0.01	-	- 0.01
n-Hexane	4.13	1.70	- 2.43
Naphthalene (and methyl-naphthalenes)	0.67	0.60	- 0.07
Phenol	0.18	0.23	+ 0.05
Quinoline	0.001	0.001	-
Styrene	0.02	0.01	- 0.01
Toluene	2.48	2.27	- 0.21
Trichloroethylene	0.001	0.001	-
Xylene (mixed isomers)	2.84	2.46	- 0.38
Total	13.57	10.34	- 3.22

Non-VOC Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	1.81	2.05	+ 0.24
Hydrogen sulfide	8.11	7.63	- 0.48
Methylene chloride	0.001	0.001	-
Nickel (and compounds)	0.001	0.001	-
Sulfuric acid	0.01	0.001	- 0.01
Tetrachloroethylene	0.001	0.001	-
Total	9.93	9.68	- 0.25

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is part of a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance plan is part of this permit.

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The facility is classified under "Petroleum Refineries" for which there are established standards in New Source Performance Standards (NSPS), 40 CFR 60, Subpart J – Petroleum Refineries. Chalmette is also subject to NSPS, 40 CFR 60, Subpart GGG – Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; 40 CFR 60, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater System; 40 CFR 61, Subpart FF – National Emission Standard for Benzene Waste Operations; and 40 CFR 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries. The refinery as a whole is a major source of toxic air pollutants and must comply with all the applicable provisions of LAC 33:III.Chapter 51 – Comprehensive Toxics Air Pollutant Emission Control Program and the Louisiana Refinery MACT Determination July 26, 1994 with some minor changes approved by Louisiana Department of Environmental Quality (LDEQ).

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on May **, 2008. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on May **, 2008. The proposed permit was sent to EPA via e-mail on May **, 2008. All comments received shall be considered before a decision is made for this proposed permit.

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VII. Effects on Ambient Air

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ($\mu\text{g}/\text{m}^3$)	Louisiana Air Quality Standard (NAAQS) ($\mu\text{g}/\text{m}^3$)
None			

VIII. General Condition XVII Activities

SRU-HDS-BRU-WGS Units Equipment Maintenance/Preparation and Other Routine Activities	22250 events/yr
PM ₁₀	0.55 tons/yr
VOC	2.28 tons/yr

SRU-HDS-BRU-WGS Units Planned Startup/Shutdown and Turnaround Activities	1075 events/yr
PM ₁₀	1.53 tons/yr
VOC	1.81 tons/yr

AMU-SWS-LPG Units Equipment Maintenance/Preparation and Other Routine Activities	20875 events/yr
PM ₁₀	0.38 tons/yr
VOC	2.56 tons/yr

AMU-SWS-LPG Units Planned Startup/Shutdown and Turnaround Activities	475 events/yr
PM ₁₀	0.25 tons/yr
VOC	2.41 tons/yr

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IX. Insignificant Activities

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
-	SWS Unit Tank (Less than 250 gals)	LAC 33:III.501.B.5.A.2
-	Units Tanks (Less than 10,000 gals, 14 tanks)	LAC 33:III.501.B.5.A.3
-	BRU Unit Inorganic Tank (Less than 10,000 gals)	LAC 33:III.501.B.5.A.4
-	Process Stream Analyzers Emissions	LAC 33:III.501.B.5.A.9
-	Catalyst Changing Operations	LAC 33:III.501.B.5.A.11

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																	
		5	9	11	13	15	2103	2111	2113	2121	2115	2141	17	2139	29*	51*	52	56	59
GRP032	SRU-HDS-AMU-SWS-WGS-BRU-LPG	1	1	1	1	1			1		1			1	1	1	1	1	1
EQT191	39, HDS Heater (F-3300)		1	1	1													2	
EQT192	40, HDS Stripper Reboiler (F-3301)	1	1	1														2	
EQT193	46, SRU Train ½ Thermal Oxidizer (F-8003/8053)		1	1	1												1		
EQT194	50, Waste Gas Compressor No. 1 (K-400)		1	1	1												2		
EQT195	51, Waste Gas Compressor No. 2 (K-401)		1	1	1												2		
EQT196	52, Waste Gas Compressor No. 3 (K-402)		1	1	1												2		
EQT197	53, Waste Gas Compressor No. 4 (K-406)		1	1	1												2		
EQT198	SL, Sulfur Loading																2		
EQT199	TK-8001, SRU Chemical Tank																1		
EQT200	TK-8051, SRU Chemical Tank																1		
EQT201	TK-8231, AMU Chemical Tank																1		
EQT202	TK-8232, AMU Chemical Tank																1		
EQT203	MPV, Miscellaneous Process Vents																1		
FUG009	FE-SRU, SRU-HDS-AMU-SWS etc. Fugitives																1		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

SULFUR RECOVERY UNIT, HYDRODESULFURIZATION, AMINE TREATING UNIT, SOUR WATER STRIPPER, WASTE GAS SYSTEM, BENZENE RECOVERY UNIT AND LIQUEFIED PETROLEUM GAS RECOVERY
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2121	2115	2141	17	2139	29*	51*	52	56	59
KEY TO MATRIX																			
1	-The regulations have applicable requirements which apply to this particular emission source.																		
	-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																		
2	-The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																		
3	-The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																		
Blank –	The regulations clearly do not apply to this type of emission source.																		
*	The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.																		

* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III.Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

SULFUR RECOVERY UNIT, HYDRODESULFURIZATION, AMINE TREATING UNIT, SOUR WATER STRIPPER, WASTE GAS SYSTEM, BENZENE RECOVERY UNIT AND LIQUEFIED PETROLEUM GAS RECOVERY
 AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	D _b	D _c	J	K _b	XX	G _{GG}	Q _{QQ}	A	J	M	V	F _{FF}	A	F	G	R	C _C	UUU	4Z _s	5D _s	68	82	
GRP032	SRU-HDS-AMU-SWS-WGS-BRU-LPG	1								1	1	1	1						1			1	1		
EQT191	39, HDS Heater (F-3300)																								
EQT192	40, HDS Stripper Reboiler (F-3301)																								
EQT193	46, SRU Train $\frac{1}{2}$ Thermal Oxidizer (F-8003/8053)																				2	1			
EQT194	50, Waste Gas Compressor No. 1 (K-400)																						2		
EQT195	51, Waste Gas Compressor No. 2 (K-401)																						2		
EQT196	52, Waste Gas Compressor No. 3 (K-402)																						2		
EQT197	53, Waste Gas Compressor No. 4 (K-406)																						1		
EQT198	SL, Sulfur Loading																				2	2			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

SULFUR RECOVERY UNIT, HYDRODESULFURIZATION, AMINE TREATING UNIT, SOUR WATER STRIPPER, WASTE GAS SYSTEM, BENZENE RECOVERY UNIT AND LIQUEFIED PETROLEUM GAS RECOVERY
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 CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
 CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	D _b	D _c	J	K _b	XX	GGG	QQQ	A	J	M	V	FF	A	F	G	R	CC	UUU	4ZS	5Ds	68	82			
EQT199	TK-8001, SRU Chemical Tank					2			2																		
EQT200	TK-8051, SRU Chemical Tank					2			2																		
EQT201	TK-8231, AMU Chemical Tank					2			2																		
EQT202	TK-8232, AMU Chemical Tank					2			2																		
EQT203	MPV, Miscellaneous Process Vents																										
FUG009	FE-SRU, SRU-HDS-AMU-SWS etc. Fugitives								1	1/2										1	1						

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
 - The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
 Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

SULFUR RECOVERY UNIT, HYDRODESULFURIZATION, AMINE TREATING UNIT, SOUR WATER STRIPPER, WASTE GAS SYSTEM, BENZENE RECOVERY UNIT AND LIQUEFIED PETROLEUM GAS RECOVERY

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**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
GRP031 FCC and Alky Units	Compliance Assurance Monitoring for Major Stationary Sources	Exempt	40 CFR 64.2(b)	The initial TV application was deemed complete by LDEQ before April 20, 1998.
	NESHAP, Subpart GGGG – National Emission Standards for Hazardous Air Pollutants – Site Remediation	Exempt	40 CFR 63.7886(d)	All the Remediation Materials Management Units (RMMU) meeting one of the exemption rule. Shall keep records as per the requirements of 40 CFR 63.7953
EQT191 and EQT192 39, HDS Heater (F-3300) and 40, HDS Stripper Reboiler (F-3301)	Emission Standard for Particulate Matter	Does not apply	LAC 33:III.1301.B	Heater indirectly heats process material
	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns refinery fuel gas – Group 1 Virgin Fossil Fuel
EQT193 46, SRU Train ½ Thermal Oxidizer (F-8003/8053)	40 CFR 63, Subpart CC – NESHAP from Petroleum Refineries	Does not apply	40 CFR 63.640(d)(4)	Sulfur Plants are not affected sources
EQT194, EQT195, EQT196 50, 51, 52, Waste Gas Compressors No. 1 thru 3 (K-400, 401, 402)	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns natural gas – Group 1 Virgin Fossil Fuel
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries	Does not apply	40 CFR 60.100	Burns only natural gas
	NESHAP, Subpart ZZZZ – Stationary Reciprocating Internal Combustion Engines	Does not apply	40 CFR 63.6590(a)	Rated capacity less than 500 hp

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**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT197 53, Waste Gas Compressor No. 4 (K-406)	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Burns natural gas – Group I Virgin Fossil Fuel
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries Chapter 21, Control of Organic Compounds – Loading	Does not apply	40 CFR 60.101	Does not burn refinery fuel gas therefore not a combustion device
EQT198 SL, Sulfur Loading	NSPS, Subpart XX - Standards of Performance for Bulk Gasoline Terminals	Does not apply	LAC 33:III.2107.A	The total vapor pressure of the material loaded is less than 1.5 psia
	NESHAP, Subpart R – Gasoline Distribution Facilities	Does not apply	40 CFR 60.500	Not a Bulk Gasoline Terminal
	40 CFR 63, Subpart CC – NESHAP from Petroleum Refineries	Does not apply	40 CFR 63.641	Does not meet the definition of a gasoline loading rack
EQT199, EQT200, EQT201, EQT202 TK-8001, 8051, 8231, 8232 Chemical Tanks (SRU/AMU)	Chapter 21, Control of Emissions of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored in the tank is less than 1.5 psia
	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank does not store petroleum liquid or the capacity is less than the threshold or the vapor pressure is less than 0.50 psia
	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.690(a)	The tanks are not part of the affected facility

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**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
FUG005 FCC and Alky Process Fugitives	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement.
FUG005 FCC and Alky Process Fugitives (Continued)	NESHAP, Subpart V – National Emission Standard for Equipment Leaks of VHAP	Does not apply	40 CFR 61.240(a)	Streams contain less than 10% by weight of VHAP
EQT203 MPV, Miscellaneous Process Vents	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115	Subject to NESHAP, 40 CFR 63, Subpart CC and emissions routed to Flare No. 2, Permit No. 3016-V0

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

40 CFR PART 70 GENERAL CONDITIONS

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of

40 CFR PART 70 GENERAL CONDITIONS

Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

40 CFR PART 70 GENERAL CONDITIONS

- 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
- 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
- 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
- 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
- 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

- 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- II. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 - 1. the date, place as defined in the permit, and time of sampling or measurements;
 - 2. the date(s) analyses were performed;
 - 3. the company or entity that performed the analyses;
 - 4. the analytical techniques or methods used;
 - 5. the results of such analyses; and
 - 6. the operating conditions as existing at the time of sampling or measurement.
 [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- VI. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated December 18, 2008; as well as additional information as of May 9, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information
AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20070036
Permit Number: 3023-V1
Air - Title V Regular Permit Major Mod

Also Known As:	ID	Name	User Group	Start Date
	2500-00005	Chalmette Refining LLC - Chalmette Refinery	CDS Number	05-27-1993
13-5401570	Mobil Oil Corp	Federal Tax ID	08-07-2002	
LAD008179707	Chalmette Refining LLC	Hazardous Waste Notification	10-22-2002	
PMT/CA	GPRRA Baselines	Hazardous Waste Permitting	10-01-1997	
00597	Chalmette Refining	Inactive & Abandoned Sites	11-23-1999	
LA0004260	WP/PC File Number	LPDES Permit #	05-22-2003	
WP0569	WP/PC State Permit Number	LWDPS Permit #	06-25-2003	
WP3391	WP/PC State Permit Number	LWDPS Permit #	06-25-2003	
01-269	Motor Fuel Delivery Certificate #	Motor Fuel Delivery Certificate	08-07-2002	
LA-2247-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006	
6264	Radioactive Material License	Radiation License Number	01-19-1999	
GD-087-1774	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999	
19637	Mobil Oil Corp	Solid Waste	01-08-2002	
36173	Site ID #	Solid Waste Facility No.	11-21-1999	
38796	Exxon Co USA - Chalmette Terminal	TEMPO Merge	04-24-2001	
44916	Mobil Oil Corp	TEMPO Merge	04-26-2001	
45047	ExxonMobil Oil Corp - Chalmette Refining LLC	TEMPO Merge	12-16-2003	
47202	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	05-22-2001	
70143TNNCL500WE	Chalmette Refining LLC - A Delaware Ltd Liability Co	TEMPO Merge	03-28-2001	
44015380	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	10-02-2001	
	TRI#	Toxic Release Inventory	07-09-2004	
	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002	
		Main FAX:	5042811365	
		Main Phone:	5042811212	
Physical Location:	500 W St Bernard Hwy Chalmette, LA 700441007	Phone (Type)	Relationship	
Mailing Address:	PO Box 1007 Chalmette, LA 700441007	5042320276 (WP)	Katrina Response Contact for	
Location of Front Gate:	29° 56' 16" 45 hundredths latitude, 89° 58' 11" 65 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83	5042811438 (WP)	Motor Fuel Delivery Certificate Contact for	
Related People:	Name	5042811811 (WP)	Responsible Official for	
	Robert Cooper	5042320276 (WP)	Radiation Safety Officer for	
	J. M. Dor			
	Richard Igercich			
	Charles Komitas			

General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery
 Activity Number: PER20070036
 Permit Number: 3023-V1
 Air - Title V Regular Permit Major Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Radiation Safety Officer for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Air Permit Contact For
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Air Permit Contact For
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Radiation Contact For
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Radiation Contact For
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Emission Inventory Contact for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Emission Inventory Contact for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Accident Prevention Contact for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Accident Prevention Contact for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Solid Waste Billing Party for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Solid Waste Billing Party for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Haz. Waste Billing Party for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Haz. Waste Billing Party for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811811 (WP)	Water Billing Party for
	Charles Kominas	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811856 (WP)	Water Billing Party for
	Kerry Maranto	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811856 (WP)	Accident Prevention Billing Party for
	Kerry Maranto	PO Box 1007 Chalmette, LA 700441007	CCHARLIE.KOMINAS 5042811469 (WP)	Accident Prevention Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	ABill Billing Party for	
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	ABill Billing Party for	
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	Radiation License Billing Party for	
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	Owns	
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007	Radiation Registration Billing Party for	
	ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 700441007	Emission Inventory Billing Party	
	ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 700441007	UST Billing Party for	
		PO Box 1007 Chalmette, LA 700441007	Operates	
NAIC Codes:	32411, Petroleum Refineries			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMP0 database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20070036
Permit Number: 3023-V1
Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
SRU-HDS-AMU-SWS-WGS-BRU-LPG						
EQT0191	39 - HDS Heater (F-3300)	83 MM BTU/hr	51 MM BTU/hr	8760 hr/yr (All Year)		
EQT0192	40 - HDS Stripper Reboiler (F-3301)	64 MM BTU/hr	40 MM BTU/hr	8760 hr/yr (All Year)		
EQT0193	46 - SRU Train 1/2 Thermal Oxidizer (F-8003/8053)	60 MM BTU/hr	20 MM BTU/hr	8760 hr/yr (All Year)		
EQT0194	50 - Waste Gas Compressor No. 1 (K-400)	4 MM BTU/hr	3 MM BTU/hr	8760 hr/yr (All Year)		
EQT0195	51 - Waste Gas Compressor No. 2 (K-401)	4 MM BTU/hr	3 MM BTU/hr	8760 hr/yr (All Year)		
EQT0196	52 - Waste Gas Compressor No. 3 (K-402)	8 MM BTU/hr	5 MM BTU/hr	8760 hr/yr (All Year)		
EQT0197	53 - Waste Gas Compressor No. 4 (K-406)	11 MM BTU/hr	10 MM BTU/hr	8760 hr/yr (All Year)		
EQT0198	SL - Sulfur Loading	630 long tons/day	250 long tons/day	3300 hr/yr (All Year)		
EQT0199	TK-8001 - SRU Chemical Tank	17000 gallons		8760 hr/yr (All Year)		
EQT0200	TK-8051 - SRU Chemical Tank	17000 gallons		8760 hr/yr (All Year)		
EQT0201	TK-8231 - AMU Chemical Tank	15500 gallons		8760 hr/yr (All Year)		
EQT0202	TK-8232 - AMU Chemical Tank	65000 gallons		8760 hr/yr (All Year)		
EQT0203	MFV - Miscellaneous Process Vents			8760 hr/yr (All Year)		
FUG0009	FE-SRU - SRU-HDS-AMU-SWS etc. Fugitives			8760 hr/yr (All Year)		

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
SRU-HDS-AMU-SWS-WGS-BRU-LPG							
EQT0191	39 - HDS Heater (F-3300)	30.8	64900	5		100.1	470
EQT0192	40 - HDS Stripper Reboiler (F-3301)	22.6	58200	5.2		149.9	590
EQT0193	46 - SRU Train 1/2 Thermal Oxidizer (F-8003/8053)	54.5	99600	4		157.2	800
EQT0194	50 - Waste Gas Compressor No. 1 (K-400)	.1	10	3.3		18	400
EQT0195	51 - Waste Gas Compressor No. 2 (K-401)	.1	10	3.3		18	400
EQT0196	52 - Waste Gas Compressor No. 3 (K-402)	.1	10	3.3		24.9	400
EQT0197	53 - Waste Gas Compressor No. 4 (K-406)	.1	10	3.3		24.9	400
EQT0199	TK-8001 - SRU Chemical Tank					17	
EQT0200	TK-8051 - SRU Chemical Tank					17	
EQT0201	TK-8231 - AMU Chemical Tank						
EQT0202	TK-8232 - AMU Chemical Tank						

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
UNF0002	Unit or Facility Wide	-

Group Membership:

INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20070036
Permit Number: 3023-V1
Air - Title V Regular Permit Major Mod

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
0720	Petroleum Refining (Rated Capacity)	1	1,000 BBL/Day

SIC Codes:

2911	Petroleum refining	AI1376
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070036

Permit Number: 3023-V1

Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
SRU-HDS-AMU-SWS-WGS-BRU-LPG															
EQT 0191 39	2.04	6.84	8.94	6.76	15.47	29.59	0.38	0.65	1.66	1.02	2.91	4.47	0.28	0.47	1.20
EQT 0192 40	1.60	5.27	7.01	4.91	10.93	21.52	0.30	0.50	1.31	0.80	2.24	3.51	0.22	0.37	0.95
EQT 0193 46	75.11	217.74	328.97	13.71	44.70	60.04	0.42	0.97	1.84	15.01	35.02	65.73	0.04	0.07	0.16
EQT 0194 50	0.60	2.40	2.63	1.50	4.00	6.57	0.06	0.40	0.26	0.01	0.02	0.05	0.09	0.60	0.39
EQT 0195 51	0.60	2.40	2.63	1.50	4.00	6.57	0.06	0.40	0.26	0.01	0.02	0.05	0.09	0.60	0.39
EQT 0196 52	3.75	12.00	16.43	5.00	16.00	21.90	0.19	1.54	0.84	0.02	0.04	0.09	0.60	4.80	2.63
EQT 0197 53	10.00	22.00	43.80	5.00	11.00	21.90	0.10	0.55	0.44	0.04	0.05	0.18	0.20	1.10	0.88
EQT 0198 SL												0.08	0.15	0.13	
EQT 0199 TK-8001														0.002	0.01
EQT 0200 TK-8051														0.002	0.01
EQT 0201 TK-8231														0.001	0.001
EQT 0202 TK-8232														0.001	0.001
FUG 0009 FE-SRU														32.10	140.58

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070036

Permit Number: 3023-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0198 SL	Hydrogen sulfide	0.80	1.60	1.32
EOT 0199 TK-8001	1,3-Butadiene	< 0.001		< 0.001
	Hydrogen sulfide	< 0.001		< 0.001
	n-Hexane	< 0.001		< 0.001
EOT 0200 TK-8051	1,3-Butadiene	< 0.001		< 0.001
	Hydrogen sulfide	< 0.001		< 0.001
	n-Hexane	< 0.001		< 0.001
EQT 0201 TK-8231	1,3-Butadiene	< 0.001		< 0.001
	Hydrogen sulfide	< 0.001		< 0.001
	n-Hexane	< 0.001		< 0.001
EQT 0202 TK-8232	1,3-Butadiene	< 0.001		< 0.001
	Hydrogen sulfide	< 0.001		< 0.001
	n-Hexane	< 0.001		< 0.001
FUG 0009 FE-SRU	1,3-Butadiene	0.004		0.02
	2,2,4-Trimethylpentane	0.002		0.01
	Ammonia	0.47		2.05
	Benzene	0.17		0.73
	Biphenyl	0.02		0.10
	Carbon disulfide	< 0.001		0.001
	Chlorobenzene	< 0.001		< 0.001
	Cresol	0.03		0.13
	Cumene	0.01		0.03
	Dichloromethane	< 0.001		< 0.001
	Ethyl benzene	0.08		0.36
	Hydrogen sulfide	1.44		6.31
	Methanol	0.35		1.53
	Methyl ethyl ketone	0.03		0.15
	Methyl isobutyl ketone	< 0.001		0.002
	Naphthalene (and Methyl napht)	0.14		0.60
	Nickel (and compounds)	< 0.001		< 0.001
	Phenol	0.05		0.23
	Quinoline	< 0.001		< 0.001
	Styrene	0.003		0.01
	Sulfuric acid	< 0.001		< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070036

Permit Number: 3023-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0009 FE-SRU	Tetrachloroethylene	< 0.001		0.001
	Toluene	0.52		2.27
	Trichloroethylene	< 0.001		0.001
	Xylene (mixed isomers)	0.56		2.46
	n-Hexane	0.39		1.70
UNF 0002	1,3-Butadiene			0.02
	2,2,4-Trimethylpentane			0.01
	Ammonia			2.05
	Benzene			0.73
	Biphenyl			0.10
	Carbon disulfide			0.001
	Chlorobenzene			0.001
	Cresol			0.13
	Cumene			0.03
	Dichloromethane			0.001
	Ethyl benzene			0.36
	Hydrogen sulfide			7.63
	Methanol			1.53
	Methyl ethyl ketone			0.15
	Methyl isobutyl ketone			0.002
	Naphthalene (and Methyl naph)			0.60
	Nickel (and compounds)			0.001
	Phenol			0.23
	Quinoline			0.001
	Styrene			0.01
	Sulfuric acid			0.001
	Tetrachloroethylene			0.001
	Toluene			2.27
	Trichloroethylene			0.001
	Xylene (mixed isomers)			2.46
	n-Hexane			1.70

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070036

Permit Number: 3023-V1

Air - Title V Regular Permit Major Mod

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER2007036
Permit Number: 30223-V1
Air - Title V Regular Permit Major Mod

EQT0191 39, HDS Heater (F-3300)

- 1 [40 CFR 52.21] Carbon monoxide <= 0.04 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]
 - Which Months: All Year Statistical Basis: Thirty-day average
 - Nitrogen oxides <= 0.1325 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]
 - Which Months: All Year Statistical Basis: Annual average
 - Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
 - Which Months: All Year Statistical Basis: Three-hour rolling average
 - Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
 - Which Months: All Year Statistical Basis: None specified
 - Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 - Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
 - Permittee shall comply with all the applicable recordkeeping and reporting requirements of 40 CFR 60.107.
 - Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 - Which Months: All Year Statistical Basis: None specified
 - Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 - Which Months: All Year Statistical Basis: None specified
- 9 [LAC 33:III.1101.B]

EQT0192 40, HDS Stripper Reboiler (F-3301)

- 10 [40 CFR 52.21] Carbon monoxide <= 0.04 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]
 - Which Months: All Year Statistical Basis: Thirty-day average
 - Nitrogen oxides <= 0.12275 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]
 - Which Months: All Year Statistical Basis: Annual average
 - Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
 - Which Months: All Year Statistical Basis: Three-hour rolling average
 - Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
 - Which Months: All Year Statistical Basis: None specified
 - Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 - Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
 - Permittee shall comply with all the applicable recordkeeping and reporting requirements of 40 CFR 60.107.
- 11 [40 CFR 52.21]
- 12 [40 CFR 60.104(a)(1)]
- 13 [40 CFR 60.105(a)(4)]
- 14 [40 CFR 60.106(a)]
- 15 [40 CFR 60.106]
- 16 [40 CFR 60.107]

SPECIFIC REQUIREMENTS**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery****Activity Number: PER20070036****Permit Number: 3023-V1****Air - Title V Regular Permit Major Mod****EQT0192 40, HDS Stripper Reboiler (F-3301)**

17 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

18 [LAC 33:III.1312.C]

Total suspended particulate <= 0.6 lb/MMBTU of heat input
Which Months: All Year Statistical Basis: None specified**EQT0193 46, SRU Train 1/2 Thermal Oxidizer (F-8003/8053)**

19 [40 CFR 52.21]

Carbon monoxide <= 3.7555 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Thirty-day average

20 [40 CFR 52.21]

Nitrogen oxides <= 0.6855 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Annual average

21 [40 CFR 60.104(a)(2)(i)]

Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i), 40 CFR 63.1568(a)(1)]

Which Months: All Year Statistical Basis: None specified

22 [40 CFR 60.104(a)(2)]

Permittee shall route the Sulfur Pit emissions to the SRU Thox. In case any maintenance is being performed on the Thox the permittee shall minimize the emissions to the maximum extent possible. [Consent decree]. [40 CFR 60.104(a)(2)]

23 [40 CFR 63.1568(b)(1)]

Oxygen monitored by continuous emission monitor (CEM) continuously. Subpart UUU, Table 31. [40 CFR 63.1568(b)(1)]

24 [40 CFR 63.1568(b)(1)]

Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air. Subpart UUU. [40 CFR 63.1568(b)(1)]

Which Months: All Year Statistical Basis: None specified

25 [40 CFR 63.1571]

Conduct performance test and initial compliance as per the requirements of NESHAP, 40 CFR 63, Subpart UTUJ.

26 [40 CFR 63.1574]

Shall comply with all the applicable requirements of NESHAP, 40 CFR 63.1574. Shall submit notification of intent to conduct a performance test required under 40 CFR 63.7(b). Conduct a performance test, performance evaluation, design evaluation, opacity observation, visible emission observation, or other initial compliance demonstration of compliance status required under 40 CFR 63.9(h)(2)(ii). Shall prepare and implement an operation, maintenance, and monitoring plan for each affected source, control system, and continuous monitoring system required under 40 CFR 63.1574(f). Subpart UTUJ.

27 [40 CFR 63.1575(b)]

Shall submit reports as per the requirements of NESHAP, 40 CFR 63, Subpart UUU. [40 CFR 63.1575(b)]

28 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

29 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J is considered compliance with LAC 33:III.1511.A.

30 [LAC 33:III.1511.A]

SPECIFIC REQUIREMENTS**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery****Activity Number: PER20070036****Permit Number: 3023-V1****Air - Title V Regular Permit Major Mod****EQT0193 46, SRU Train 1/2 Thermal Oxidizer (F-8003/8053)**

31 [LAC 33:III.501.C.6]

Permittee shall limit the Pre Sulfur Pit Gas Recovery (SPGR) Project emissions from the SRU Train 1/2 Thermal Oxidizer (F-8003/8053). Emission Point 46, to no more than 3.33 tons per year (tpy) of PM10, 124.40 tpy of SO₂, 52.08 tpy of NO_x, 285.37 tpy of CO, and 0.13 tpy of VOC. The emissions shall be calculated and the records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The calculated PM10, SO₂, NO_x, CO and VOC emissions from the SRU Train 1/2 Thermal Oxidizer above the maximum listed in this specific condition shall be a violation of this specific condition and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the calculated PM10, SO₂, NO_x, CO, and VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceeding calendar year. The calculation and the report shall seize when the SPGR Project is completed and operating. At this time the permittee shall comply with the permitted limits specified in "Emission Rates For Criteria Pollutants" of this permit for SRU Train 1/2 Thermal Oxidizer; Emission Point 46. [Consent Decree]. Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J is considered compliance with NESHAP, 40 CFR 63, Subpart UUU and LAC 33:III.Chapter 51. [LAC 33:III.5109.A] [LAC 33:III.5109.A, 40 CFR 63.1568(a)(1)]

EQT0194 50, Waste Gas Compressor No. 1 (K-400)

33 [40 CFR 52.21]

Carbon monoxide <= 0.20 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]
Which Months: All Year Statistical Basis: Thirty-day average

Nitrogen oxides <= 0.50 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]

34 [40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

35 [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

36 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

EQT0195 51, Waste Gas Compressor No. 2 (K-401)

37 [40 CFR 52.21]

Carbon monoxide <= 0.20 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]
Which Months: All Year Statistical Basis: Thirty-day average

38 [40 CFR 52.21]

Nitrogen oxides <= 0.50 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]
Which Months: All Year Statistical Basis: Annual average

39 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

40 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
 Activity Number: PER20070036
 Permit Number: 3023-V1
 Air - Title V Regular Permit Major Mod

EQT0196 52, Waste Gas Compressor No. 3 (K-402)

- 41 [40 CFR 52.21] Carbon monoxide <= 0.75 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]
 Which Months: All Year Statistical Basis: Thirty-day average
- 42 [40 CFR 52.21] Nitrogen oxides <= 1.00 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]
 Which Months: All Year Statistical Basis: Annual average
- 43 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or launcing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 44 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

EQT0197 53, Waste Gas Compressor No. 4 (K-406)

- 45 [40 CFR 52.21] Carbon monoxide <= 1.00 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]
 Which Months: All Year Statistical Basis: Thirty-day average
- 46 [40 CFR 52.21] Nitrogen oxides <= 0.50 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]
 Which Months: All Year Statistical Basis: Annual average
- 47 [40 CFR 63.6600(a)] Formaldehyde <= 350 ppb/dv at 15% oxygen or reduce the formaldehyde emissions by 76% or more as per the requirements of NESHPAP, 40 CFR 63.6600, Table 1a. Subpart ZZZZ. [40 CFR 63.6600(a)]
 Which Months: All Year Statistical Basis: None specified
 Be in compliance with emission limitations in 40 CFR 63 Subpart ZZZZ at all times, except during periods of startup, shutdown and malfunction. Subpart ZZZZ. [40 CFR 63.6605(a)]
- 48 [40 CFR 63.6605(a)] Operate and maintain in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction. Subpart ZZZZ. [40 CFR 63.6605(b)]
- 49 [40 CFR 63.6605(b)] Shall conduct initial performance test or other initial compliance demonstration as per the provisions of NESHPAP, 40 CFR 63.6610, Table 4, Item 2.a. Subpart ZZZZ.
- 50 [40 CFR 63.6610] Conduct subsequent performance tests semiannually as per the requirements of NESHPAP, 40 CFR 63.6615, Table 3, Item 2. Subpart ZZZZ.
- 51 [40 CFR 63.6615] Conduct each performance tests according to the requirements of NESHPAP, 40 CFR 63.7(e)(1) and under the specific conditions in NESHPAP, 40 CFR 63, Subpart ZZZZ, Table 4. Subpart ZZZZ. [40 CFR 63.6620(b)]
- 52 [40 CFR 63.6620(b)] Determine compliance with the percent reduction requirement using equation 1 in 40 CFR 63.6620 if complying under the percent reduction of formaldehyde. Subpart ZZZZ. [40 CFR 63.6620(e)]
- 53 [40 CFR 63.6620(e)] Determine the engine percent load during a performance test by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. Subpart ZZZZ. [40 CFR 63.6620(i)]

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
 Activity Number: PER20070036
 Permit Number: 3023-V1
 Air - Title V Regular Permit Major Mod

EQT0197_53, Waste Gas Compressor No. 4 (K-406)

- 55 [40 CFR 63.6620(i)]
 Include a written report of the average percent load determination in the notification of compliance status. Include the following information:
 the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, provide the model number of the measurement device, and an estimate of its accurate in percentage of true value. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 56 [40 CFR 63.6620]
 Petition DEQ for operating limitations to be established during the initial performance test and continuously monitored thereafter; or for approval of no operating limitations. Do not conduct the initial performance test until after the petition has been approved by DEQ. If petitioning DEQ for approval of operating limitations, include the information described in 40 CFR 63.6620(g)(1) through (g)(5). If petitioning DEQ for approval of no operating limitations, include the information described in 40 CFR 63.6620(h)(1) through (h)(7). Subpart ZZZZ.
 Permittee shall install a continuous parameter monitoring system (CPMS) as specified in NESHAP, 40 CFR 63.6625, Table 5, Item 4.a. Subpart ZZZZ. [40 CFR 63.6625(c)]
- 58 [40 CFR 63.6630(a)]
 Demonstrate initial compliance with each applicable emission and operating limitation according to 40 CFR 63 Subpart ZZZZ Table 5. Subpart ZZZZ. [40 CFR 63.6630(a)]
- 59 [40 CFR 63.6630(c)]
 Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.6645. Subpart ZZZZ. [40 CFR 63.6630(c)]
- 60 [40 CFR 63.6640(b)]
 Conduct a performance test to demonstrate that the required emission limitation applicable are being met, if the values of the operating parameters are reestablished. Subpart ZZZZ. [40 CFR 63.6640(b)]
- 61 [40 CFR 63.6640(b)]
 Report each instance in which each applicable emission limitation or operating limitation in 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6640(b)] Tables 2a and 2b were not met according to the requirements of 40 CFR 63.6650. Subpart ZZZZ. [40 CFR 63.6640(b)]
- 62 [40 CFR 63.6640(c)]
 Operate in accordance with the startup, shutdown, and malfunction plan during periods of startup, shutdown, and malfunction. Subpart ZZZZ. [40 CFR 63.6640(c)]
- 63 [40 CFR 63.6645]
 Submit all of the applicable notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (e), (g), and (h) by the dates specified, as specified in 40 CFR 63.6645(b) through (f). Subpart ZZZZ.
- 64 [40 CFR 63.6650(d)]
 Report all notifications as defined in 40 CFR 63 Subpart ZZZZ in the semianual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). Subpart ZZZZ. [40 CFR 63.6650(f)]
- 65 [40 CFR 63.6650]
 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.6650(c)(1) through (c)(6) and 40 CFR 63 Subpart ZZZZ Table 7 1.a. 1.b, or 1.c. Include the information in 40 CFR 63.6650(d)(1) and (d)(2) and 63.6650(e)(1) through (e)(12), if applicable. Subpart ZZZZ.
- 66 [40 CFR 63.6650]
 Submit startup, shutdown, and malfunction report: Due by fax or telephone within 2 working days after starting actions inconsistent with the startup, shutdown, and malfunction plan, and by letter within 7 working days after the end of the event unless alternate arrangements have been made with DEQ. Include in the report actions taken for the event, and the information specified in 40 CFR 63.10(d)(5)(ii). Subpart ZZZZ.
- 67 [40 CFR 63.6655]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.6655(a) through (d), as applicable. Subpart ZZZZ.
- 68 [40 CFR 63.6660(a)]
 Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(a)]

SPECIFIC REQUIREMENTS**AIR ID: 1376 - Chalmette Refining LLC - Chalmette Refinery****Activity Number: PER20070036****Permit Number: 3023-v1****Air - Title V Regular Permit Major Mod****EQT0197 53, Waste Gas Compressor No. 4 (K-406)**

69 [40 CFR 63.6660(b)]
 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(b)]

70 [40 CFR 63.6660(c)]
 Keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years of records may be kept off-site. Subpart ZZZZ. [40 CFR 63.6660(c)]

71 [LAC 33.III.1101.B]
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

72 [LAC 33.III.1311.C]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: Six-minute average

EQT0198 SL, Sulfur Loading

73 [LAC 33.III.5109.A]
 Emits Class III toxic air pollutants. No MACT is required.

EQT0199 TK-8001, SRU Chemical Tank

74 [40 CFR 63.654(i)]
 Group 2 storage vessel shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC. [40 CFR 63.654(i)]
 75 [LAC 33.III.5109.A]
 Emits Class III toxic air pollutants. No MACT is required.

EQT0200 TK-8051, SRU Chemical Tank

76 [40 CFR 63.654(i)]
 Group 2 storage vessel shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC. [40 CFR 63.654(i)]
 77 [LAC 33.III.5109.A]
 Emits Class III toxic air pollutants. No MACT is required.

EQT0201 TK-8231, AMU Chemical Tank

78 [40 CFR 63.654(i)]
 Group 2 storage vessel shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC. [40 CFR 63.654(i)]
 79 [LAC 33.III.5109.A]
 Emits Class III toxic air pollutants. No MACT is required.

EQT0202 TK-8232, AMU Chemical Tank

80 [40 CFR 63.654(i)]
 Group 2 storage vessel shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC. [40 CFR 63.654(i)]
 81 [LAC 33.III.5109.A]
 Emits Class III toxic air pollutants. No MACT is required.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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Air - Title V Regular Permit Major Mod

EQT0203 MPV, Miscellaneous Process Vents

82 [LAC 33:III.1311]

Miscellaneous process vents are routed to an existing Flare No. 2 which complies with all the applicable requirements of NESHAP, 40 CFR 63.11(b). [LAC 33:III.1311, LAC 33:III.1509, LAC 33:III.1509.A, 40 CFR 63.11(b), 40 CFR 63.643]

FUG0009 FE-SRU, SRU-HDS-AMU-SWS etc. Fugitives

83 [40 CFR 60.590-593]

Shall comply with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG. Compliance with Subpart GGG is considered compliance with LAC 33:III.2121. [40 CFR 60.590-593, LAC 33:III.2121]

84 [40 CFR 60.592(a)] Shall comply with all the applicable requirements of 40 CFR 60.482-1 through 482-10 as per the approval letter dated March 24, 2005 by LDEQ. Subpart GGG. [40 CFR 60.592(a)]

85 [40 CFR 63.149] Sour Water Stripper and Benzene Recovery Units: Compliance with all the applicable requirements of 40 CFR 61, Subpart FF is considered compliance with 40 CFR 63, Subpart G.

Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [40 CFR 63.640-655, LAC 33:III.5109.A]

86 [40 CFR 63.640-655] Shall comply with all the applicable requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]

87 [40 CFR 63.648(c)] Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]

88 [40 CFR 63.648(h)] Shall comply with all the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]

89 [40 CFR 63.654(d)] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.

UNF0002 SRU-HDS-AMU-SWS-WGS-BRU-LPG

92 [40 CFR 60.]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.

Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]

Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

SPECIFIC REQUIREMENTS**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery****Activity Number: PER20070036****Permit Number: 3023-V1****AIR - Title V Regular Permit Major Mod****UNF0002 SRU-HDS-AMU-SWS-WGS-BRU-LPG**

95 [40 CFR 61.342(e)]

Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]

Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]

All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.

Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]

Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum representative operating capacity for the process. During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]

Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]

Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]

Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)]

Shall comply with all the applicable requirements of NESHAP, 40 CFR 61.340 through 61.355 of 40 CFR 61, Subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]

Shall comply with all the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61, Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(i). Subpart CC. [40 CFR 63.654(a)]

Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]

Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]

Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]

Retain a record of all reported performance test results required under 40 CFR 63.654(i) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]

Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]

Permittee shall comply with the recordkeeping requirements of 40 CFR 63.7953.

All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.

Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

SPECIFIC REQUIREMENTS**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery****Activity Number: PER20070036****Permit Number: 3023-V1****Air - Title V Regular Permit Major Mod****UNF0002 SRU-HDS-AMU-SWS-WGS-BRU-L-PG**

- 113 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 114 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 115 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 116 [40 CFR 82 Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 117 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 118 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 119 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 120 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- 121 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 122 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 123 [LAC 33:III.2141.A] Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.
- 124 [LAC 33:III.2141.A] Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.
- 125 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 126 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

SPECIFIC REQUIREMENTS**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery**

Activity Number: PER20070036

Permit Number: 3023-V1

Air - Title V Regular Permit Major Mod

UNF0002 SRU-HDS-AMU-SWS-WGS-BRU-LPG

127 [LAC 33:III.2901.F]

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

128 [LAC 33:III.5105.A.1]

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51 Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III Chapter 51.Subchapter A, after the effective date of the standard.

129 [LAC 33:III.5105.A.2]

Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.

130 [LAC 33:III.5105.A.3]

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

131 [LAC 33:III.5105.A.4]

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.

132 [LAC 33:III.5107.A.2]

Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.

133 [LAC 33:III.5107.A.2]

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

134 [LAC 33:III.5107.A.1]

Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

135 [LAC 33:III.5107.B.1]

Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

136 [LAC 33:III.5107.B.2]

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

137 [LAC 33:III.5107.B.3]

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.

138 [LAC 33:III.5107.B.4]

Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.

139 [LAC 33:III.5107.B.5]

Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070036

Permit Number: 3023-V1

Air - Title V Regular Permit Major Mod

UNF0002 SRU-HDS-AMU-SWS-WGS-BRU-L PG

140 [LAC 33:III.5109.C]

Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.

141 [LAC 33:III.5113.A.1]

Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

142 [LAC 33:III.5113.A.2]

Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

143 [LAC 33:III.5113.B.1]

Ensure that all testing done to determine the emission of toxic air pollutants is conducted by qualified personnel.

144 [LAC 33:III.5113.B.1]

Submit test results: Due in writing to the Office of Environmental Assessment within 45 days after completion of the test. Submit test results signed by the person responsible for the test.

145 [LAC 33:III.5113.B.2]

Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ.

146 [LAC 33:III.5113.B.3]

Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants.

147 [LAC 33:III.5113.B.4]

Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through B.4.e.

148 [LAC 33:III.5113.B.5]

Analyze samples and determine emissions within 30 days after each emission test has been completed.

149 [LAC 33:III.5113.B.5]

Submit certified letter: Due to the Office of Environmental Assessment before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.

150 [LAC 33:III.5113.B.6]

Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

151 [LAC 33:III.5113.B.7]

Submit notification: Due to the Office of Environmental Assessment at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.

152 [LAC 33:III.5113.C.1]

Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.

153 [LAC 33:III.5113.C.5.d]

Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters.

154 [LAC 33:III.5113.C.5.e]

Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii.

155 [LAC 33:III.5113.C.7]

Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.

An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.

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- 157 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert.
- 158 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
- 159 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.
- 160 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 161 [LAC 33:III.5611.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7.
- 162 [LAC 33:III.5611.B] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 163 [LAC 33:III.5901.A] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 164 [LAC 33:III.5907] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 165 [LAC 33:III.5911.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 166 [LAC 33:III.5911.C] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.
- 167 [LAC 33:III.905] Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.
- 168 [LAC 33:III.917.B] Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
- 169 [LAC 33:III.917.A] Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits.
- 170 [LAC 33:III.917.B] Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.
- 171 [LAC 33:III.919.D] No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
- 172 [LAC 33:III.921] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 173 [LAC 33:III.927] Permittees shall comply with all the applicable requirements for the stack height as specified in LAC 33:III.921.
- Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 1376
Activity No.: PER20070035

Mr. Richard A. Igercich
Refinery Manager
Chalmette Refining, L.L.C.
Post Office Box 1007
Chalmette, Louisiana 70044

RE: Part 70 Operating Permit Modification, No. 1 & 2 Flares, Chalmette Refinery, Chalmette Refining, L.L.C., Chalmette, St. Bernard Parish, Louisiana

Dear Mr. Igercich:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 30th of January, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 3016-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
SGQ
cc: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**No. 1 & 2 FLARES
AGENCY INTEREST NO. 1376
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

I. Background

Chalmette Refining, L.L.C. (CRLLC) is a joint venture between ExxonMobil Corporation (EMOC) and Petroleos de Venezuela (PDV), the Venezuelan National Oil Company. Chalmette Refinery is located on the left descending bank of Mississippi River at Mile 89 above Head-of-Passes at Chalmette and is operated by EMOC. The facility operates under a Part 70 Operating Permit No. 3016-V0 dated January 30, 2007. Permit No. PSD-LA-199(M-6) dated December 11, 2007 was also issued. The facility operates different units under different permits. This permit deals with the No. 1 & 2 Flares.

II. Origin

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) dated December 18, 2007 for the No. 1 & 2 Flares equipment only. Additional information dated February 25, 2008 and other information as of May 7, 2008 was also received.

III. Description

Chalmette Refinery is an integrated crude operation (high conversion) which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing gasoline, diesel, benzene/toluene/xylene (BTX), distillates, and elemental sulfur as well as by-products such as petroleum coke.

Flare No. 1 – The Flare No. 1 system consists of the main flare collection headers, the flare gas recovery compressors (electric motor driven), the flare knockout drums, and the staged flare burners (candelabra style). A small refinery fuel gas purge is used to maintain a positive pressure in the flare header. The flare also uses refinery fuel gas to operate the pilots. The header system collects process gases from the coker units as well as both sweet and sour process streams from refinery units. The collected gases are routed to the flare gas recovery compressors for pressurization and recycle to the Amine Unit in order to remove sulfur compounds and use them as refinery fuel gas. The No. 1 Flare continually burns only pilot and purge gases per 40 CFR 60.104(a)(1) which are exempt. The No. 1 Flare is used as an emergency flare for the refinery.

No. 2 Flare – The Flare No. 2 system consists of the main flare collection headers, the flare knockout drums and the single flare burner (pencil style). A small refinery fuel gas purge is used to maintain a positive pressure in the flare header. The flare also uses refinery fuel gas to operate the pilots. The No. 2 Flare header system collects sweet process gas streams from units; sour process gas streams are routed to No. 1 Flare as part

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of the Flare Gas Management Project. The No. 2 Flare will operate as an NSPS Subpart J compliant Fuel Gas Combustion Device. The flare is equipped with a CEM analyzer to monitor hydrogen sulfide content of the gases entering the flare.

Flare Gas Management Project – This project which was approved under an “Authorization to Construct/Approval to Operate” dated July 28, 2004, is operational.

The facility proposes to incorporate No. 1 & 2 Flares startup/shutdown (SU/SD) emissions, Flare Gas Management SU/SD emissions, “Good Air Pollution Control Practices” for No. 1 & 2 Flares, and miscellaneous flaring operations under Consent Decree No. 05-4662 B(i).

The SU/SD emissions are a part of operating stationary sources and should be regulated and appropriately controlled. Many rules and regulations acknowledge and recognize that SU/SD emissions are exempt from certain technology based limitations and must be controlled with good air pollution control practices to minimize these emissions during such periods. Regulations like 40 CFR 60.8(c), 40 CFR 63.6(e), 40 CFR 63.10(e)(3)(ii) do give a general guidance for controlling and minimizing the SU/SD emissions. Permitting SU/SD emissions will be beneficial to air quality and will greatly assist in air quality planning purposes by requiring that SU/SD emissions be clearly identified, quantified, and limited where necessary throughout the facility. The SU/SD emissions are not subject to New Source Review as they are existing emissions and no new modifications (new source or change in the method of operation) are triggering an increase in the associated emissions.

The SU/SD activities, when the excess refinery fuel gas is routed to the No. 1 Flare, are separated into the following categories: a) ALKY Unit shutdown during which large amount of process gas in excess of the Flare Gas Management capacity; b) Flare Gas Management maintenance when any one of the three compressors is shut down for repairs; c) When the complete Flare Gas Management system (all three compressors) is shutdown for cleanup and repairs; and d) When safety relief valves are opened for maintenance and safety reasons to balance pressure. A specific condition has been added to limit SU/SD emissions along with monitoring and recordkeeping requirements to show compliance.

In addition, the following revisions will also be undertaken:

1. Fugitive emissions based on the audited current component counts and calculation methodology;
2. No. 1 & 2 Flare emissions change due to the construction of Flare Gas Management Project and updated emission factors;

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3. VOC speciation based on updated calculation methodology; and
4. Insignificant Activity list based on recent audit of the units.

Furthermore, the facility conducted dispersion modeling for NOx and CO and the results indicated that there is no exceedance of NAAQS as shown in the table below.

Pollutant	Average Period	Concentration (ug/m ³)			
		Modeled Impact	Background	Total	NAAQS
NO ₂	Annual	28.7	16.9	45.6	100
CO	1-Hour	11,876	4,164	16,040	40,000
	8-Hour	3,584	2,528	6,112	10,000

Permitted emissions and changes due to the above referenced incorporations and revisions (SU/SD not included) from the No. 1 and 2 Flares in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	11.98	13.70	+ 1.72
SO ₂	52.73	36.44	- 16.29
NO _x	40.32	46.11	+ 5.79
CO	219.38	250.88	+ 31.50
VOC	107.38	101.98	- 5.40

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
1,3-Butadiene	0.01	0.01	-
2,2,4-Trimethylpentane	0.02	0.02	-
2-Propenamide	0.001	0.001	-
Acetonitrile	0.001	0.001	-
Benzene	0.11	1.95	+ 1.84
Biphenyl	0.01	0.01	-
Carbon disulfide	0.001	0.001	-
Carbonyl sulfide	0.001	0.15	+ 0.149

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VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Cresol	0.01	0.01	-
Cumene	0.01	0.01	-
Ethyl benzene	0.15	0.31	+ 0.16
Methanol	0.03	0.05	+ 0.02
Methyl ethyl ketone	0.01	0.01	-
Methyl isobutyl ketone	0.001	0.001	-
Methyl tert-butyl either	0.01	-	- 0.01
n-Hexane	0.18	1.08	+ 0.90
Naphthalene (and methyl-naphthalenes)	0.05	0.32	+ 0.27
Phenol	0.01	0.01	-
Quinoline	0.001	0.001	-
Styrene	0.01	0.01	-
Toluene	0.82	2.30	+ 1.48
Trichloroethylene	0.001	0.001	-
Xylene (mixed isomers)	0.99	2.01	+ 1.02
Total	2.43	8.27	+ 5.84

Non-VOC Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	0.04	0.08	+ 0.04
Hydrogen sulfide	0.38	0.69	+ 0.31
Nickel (and compounds)	0.001	0.001	-
Phosphorus	0.001	0.001	-
Sulfuric acid	0.001	0.001	-
Tetrachloroethylene	0.001	0.001	-
Total	0.42	0.77	+ 0.35

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IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance plan has been incorporated in this permit.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on May **, 2008. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on May **, 2008. The proposed permit was sent to EPA via e-mail on May **, 2008. All comments received shall be considered before a decision is made for this proposed permit.

VII. Effects on Ambient Air

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ($\mu\text{g}/\text{m}^3$)	Louisiana Air Quality Standard (NAAQS) ($\mu\text{g}/\text{m}^3$)
None			

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VIII. General Condition XVII Activities

Flares - Equipment Maintenance/Preparation and Other Routine Activities	300 events/yr
PM10	0.08 tons/yr
SO2	0.08 tons/yr
NOX	0.95 tons/yr
CO	0.26 tons/yr
VOC	1.51 tons/yr
Flares - Planned Startup/Shutdown and Turnaround Activities	260 events/yr
VOC	3.81 tons/yr

IX. Insignificant Activities

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
-	Process Stream or Vent Analyzer Emissions	LAC 33:III.501.B.5.A.9

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2. X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33.III.Chapter												17	29	51	52	56	59
		5	9	11	13	15	2103	2111	2113	2121	2115	2139	2141						
UNF003	No. 1 & 2 Flares	1	1	1	1	1			1				1	1	1	1	1	1	
EQT254	28, No. 1 Flare (Candelabra)			1	1	1					2				1				
EQT255	29, No. 2 Flare (Pencil)			1	1	1				2					1				
FUG012	FE-FL, No. 1 & 2 Flare Fugitives						1		1					1					

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- 2 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 3 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as if has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- Blank - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.

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Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	Db	Dc	J	Kb	VV	GGG	NNN	QQQ	A	J	M	V	FF	A	F	G	CC	UUU	SDs	68	82				
UNF003	No. 1 & 2 Flares	1									1	1	1	1						1		1	1	1	1	1	
EQT254	28, No. 1 Flare (Candelabra)				1																2	2					
EQT255	29, No. 2 Flare (Pencil)				1	1	1	1												1	1	1	1				
FUG012	FE-FL, No. 1 & 2 Flare Fugitives										1									1							

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
Blank - The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
UNF003 No. 1 & 2 Flares	Compliance Assurance Monitoring for Major Stationary Sources	Exempt	40 CFR 64.2(b)	The initial TV application was deemed complete by LDEQ before April 20, 1998
EQT254 28, No. 1 Flare (Candelabra)	Control of Organic Compounds – Waste Gas Disposal	Does not apply	LAC 33:III.2115.A	The streams are controlled under federal requirements
	NESHAP, Subpart CC – Petroleum Refineries, Equipment Leak Provisions	Does not apply	40 CFR 63.640(d)(5)	The emissions are routed to the flare gas recovery system
	NESHAP, 40 CFR 63, Subpart UUU – Petroleum Refineries: CCU, CRU, and SRU	Does not apply	40 CFR 63.1562(f)(5)	The emissions are routed to the flare gas recovery system
EQT255 29, No. 2 Flare (Pencil)	Control of Organic Compounds – Waste Gas Disposal	Does not apply	LAC 33:III.2115.A	The streams are controlled under federal requirements
FUG012 FE-FL, No. 1 & 2 Flare Fugitives	NSPS, Subpart VV – New Source Performance Standard for Equipment Leaks of VOC in SOCMI	Does not apply	40 CFR 60.480	Not a SOCMI facility
	NESHAP, Subpart V – Equipment Leaks of VHAP	Does not apply	40 CFR 61.240(a)	Process units do not have streams that contains greater than 10% by wt of VHAP

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)].
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

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4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.
[LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

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emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated December 18, 2007; as well as additional information as of May 9, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information
AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20070035
Permit Number: 3016-V1
Air - Title V Regular Permit Major Mod

Also Known As:	Name	User Group	Start Date
2500-00005	Chalmette Refining LLC - Chalmette Refinery	CDS Number	05-27-1993
13-5401570	Mobil Oil Corp	Federal Tax ID	08-07-2002
LAD008179707	Chalmette Refining LLC	Hazardous Waste Notification	10-22-2002
PMTICA	GPRa Baselines	Hazardous Waste Permitting	10-01-1997
00597	Chalmette Refining	Inactive & Abandoned Sites	11-23-1999
LA0004260	WPC File Number	LPDES Permit #	05-22-2003
WP0569	WPC State Permit Number	LWDPs Permit #	06-25-2003
WP3391	WPC State Permit Number	LWDPs Permit #	06-25-2003
01-269	Motor Fuel Delivery Certificate #	Motor Fuel Delivery Certificate	08-07-2002
LA-2247-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
6264	Radioactive Material License	Radiation License Number	01-19-1999
GD-087-1774	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GD-087-1774	Mobil Oil Corp	Solid Waste Facility No.	01-08-2002
19637	Exxon Co USA - Chalmette Terminal	TEMPO Merge	11-21-1999
36173	Mobil Oil Corp	TEMPO Merge	04-24-2001
38196	ExxonMobil Oil Corp - Chalmette Refining LLC	TEMPO Merge	12-16-2003
44916	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	05-22-2001
45047	Chalmette Refining LLC - A Delaware Ltd Liability Co	TEMPO Merge	03-28-2001
47202	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	10-02-2001
70143TNNCL500WE	TRI#	Toxic Release Inventory	07-09-2004
44015380	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
Physical Location:	500 W St Bernard Hwy Chalmette, LA 70043	Main FAX: 5042811365 Main Phone: 5042811212	Katrina Response Contact for Motor Fuel Delivery Certificate Contact for Responsible Official for Radiation Safety Officer for
Mailing Address:	PO Box 1007 Chalmette, LA 700441007	5042320276 (WP)	TPOR0148
Location of Front Gate:	29° 56' 16" 45 hundredths latitude, 89° 58' 11" 65 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83	5042811438 (WP)	
Related People:	Name Robert Cooper J. M. Dor Richard Igercich Charles Kominas	Phone (Type) 5042320276 (WP) 50428114007 CHARLIE.KOMINAS	Relationship Katrina Response Contact for Motor Fuel Delivery Certificate Contact for Responsible Official for Radiation Safety Officer for

General Information
AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery
Activity Number: PER20070035
Permit Number: 3016-V1
Air - Title V Regular Permit Major Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Radiation Safety Officer for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	CHARLIE.KOMINAS	Air Permit Contact For
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Air Permit Contact For
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	CHARLIE.KOMINAS	Radiation Contact For
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Radiation Contact For
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	CHARLIE.KOMINAS	Emission Inventory Contact for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Emission Inventory Contact for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	CHARLIE.KOMINAS	Accident Prevention Contact for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Accident Prevention Contact for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	CHARLIE.KOMINAS	Solid Waste Billing Party for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Solid Waste Billing Party for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	CHARLIE.KOMINAS	Haz. Waste Billing Party for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Haz. Waste Billing Party for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	CHARLIE.KOMINAS	Water Billing Party for
Charles Kominas	Charles Kominas	PO Box 1007 Chalmette, LA 70044-1007	5042811811 (WP)	Water Billing Party for
Kerry Maranto	Kerry Maranto	PO Box 1007 Chalmette, LA 70044-1007	5042811956 (WP)	Accident Prevention Billing Party for
Kerry Maranto	Kerry Maranto	PO Box 1007 Chalmette, LA 70044-1007	5042811469 (WF)	Accident Prevention Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
Chalmette Refining LLC	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 70044-1007		Emission Inventory Billing Party
Chalmette Refining LLC	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 70044-1007		Air Billing Party for
Chalmette Refining LLC	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 70044-1007		Radiation License Billing Party for
Chalmette Refining LLC	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 70044-1007		Owes
ExxonMobil Oil Corp	ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 70044-1007		Radiation Registration Billing Party for
ExxonMobil Oil Corp	ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 70044-1007		UST Billing Party for
				Operates
NAIC Codes:	32411, Petroleum Refineries			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
 Activity Number: PER20070035
 Permit Number: 3016-V1
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Flares No. 1 & 2						
EQT0254	28 - No. 1 Flare (Candelabra)		1885 MM BTU/hr	7 MM BTU/hr		8760 hr/yr (All Year)
EQT0255	29 - No. 2 Flare (Pencil)		2075 MM BTU/hr	148 MM BTU/hr		8760 hr/yr (All Year)
EQT0269	28SU/SD - No. 1 Flare Startup/Shutdown, FGM Maintenance, and Flare Job		1885 MM BTU/hr			8760 hr/yr (All Year)
EQT0270	29SU/SD - No. 2 Flare Startup/Shutdown					8760 hr/yr (All Year)
FUG0012	FE-FL - No. 1 & 2 Flare Fugitives		14010 MM BTU/hr			8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT0254	28 - No. 1 Flare (Candelabra)	65	110300	6		172	1830
EQT0255	29 - No. 2 Flare (Pencil)	65	110300	6		191	1830
EQT0269	28SU/SD - No. 1 Flare Startup/Shutdown, FGM Maintenance, and Flare Job	65	110300	6		172	1830
EQT0270	29SU/SD - No. 2 Flare Startup/Shutdown	65	110300	6		172	1830

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
UNF0003	Unit or Facility Wide	-

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
0720	Petroleum Refining (Rated Capacity)	1	1,000 BBL/Day

SIC Codes:

2911	Petroleum refining	AI1376
5171	Petroleum bulk stations and terminals	AI1376

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070035

Permit Number: 3016-V1

Air - Title V Regular Permit Major Mod

CO				NOx				PM10				SO2				VOC			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year																
Flares No. 1 & 2																			
EQT 0254 28	2.68	6.90	11.75	0.49	1.27	2.16	0.15	0.38	0.64	0.01	0.02	0.03	0.02	0.04	0.04	0.04	0.07		
EQT 0255 29	54.60	767.27	239.13	10.03	141.01	43.95	2.98	41.89	13.06	8.31	153.18	36.41	17.56	224.19	76.93				
EQT 0269 28SURSD	23.34	102.24		4.29	18.80		1.28	5.59			298.41	1307.05		4.95	21.67				
EQT 0270 29SURSD	8.08	35.37		1.48	6.49		0.44	1.94		0.13	0.56		4.28	18.74					
FUG 0012 FE-FL													5.70						

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070035

Permit Number: 3016-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0270 29SU/SD	Toluene		58.97	1.38
	Xylene (mixed isomers)		37.98	0.89
	n-Hexane		34.56	0.81
FUG 0012 FE-FL	1,3-Butadiene	0.002		0.01
	2,2,4-Trimethylpentane	0.01		0.02
	Acetonitrile	< 0.001		< 0.001
	Ammonia	0.01		0.06
	Benzene	0.02		0.09
	Biphenyl	0.001		0.01
	Carbon disulfide	< 0.001		< 0.001
	Cresol	0.003		0.01
	Cumene	0.003		0.01
	Ethyl benzene	0.04		0.17
	Hydrogen sulfide	0.06		0.28
	Methanol	0.01		0.05
	Methyl ethyl ketone	0.001		0.01
	Methyl isobutyl ketone	< 0.001		< 0.001
	Naphthalene (and Methyl naphthalenes)	0.02		0.07
	Nickel (and compounds)	< 0.001		< 0.001
	Phenol	0.002		0.01
	Phosphorus	< 0.001		< 0.001
	Quinoline	< 0.001		< 0.001
	Styrene	0.001		0.01
	Sulfuric acid	< 0.001		< 0.001
	Tetrachloroethylene	< 0.001		< 0.001
	Toluene	0.21		0.91
	Trichloroethylene	< 0.001		< 0.001
	Xylene (mixed isomers)	0.25		1.11
	n-Hexane	0.05		0.20
UNF 0003	1,3-Butadiene			0.01
	2,2,4-Trimethylpentane			0.02
	Acetonitrile			< 0.001
	Ammonia			0.08
	Benzene			1.95

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070035

Permit Number: 3016-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0003	Biphenyl			0.01
	Carbon disulfide			< 0.001
	Carbonyl sulfide			0.15
	Cresol			0.01
	Cumene			0.01
	Ethyl benzene			0.31
	Hydrogen sulfide			0.69
	Methanol			0.05
	Methyl ethyl ketone			0.01
	Methyl isobutyl ketone			< 0.001
	Naphthalene (and Methyl naphthalenes)			0.32
	Nickel (and compounds)			< 0.001
	Phenol			0.01
	Phosphorus			< 0.001
	Quinoline			< 0.001
	Styrene			0.01
	Sulfuric acid			< 0.001
	Tetrachloroethylene			< 0.001
	Toluene			2.30
	Trichloroethylene			< 0.001
	Xylene (mixed isomers)			2.01
	n-Hexane			1.08

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070035

Permit Number: 3016-V1

Air - Title V Regular Permit Major Mod

EQT0254 28, No. 1 Flare (Candelabra)

- 1 [40 CFR 52.2] Nitrogen oxides <= 0.07 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average
- 2 [40 CFR 60.100] Consent Decree: Permittee shall operate and maintain a flare gas recovery system to prevent continuous or routine combustion in No. 1 Flare.
- Use of the flare gas recovery system on No. 1 Flare obviates the need to continuously monitor and maintain records of hydrogen sulfide in the gas as otherwise required by NSPS, 40 CFR 60.105(a)(4) and 40 CFR 60.7.
- 3 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average
- Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- Heat content >= 200 BTU/scf (7.45 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
Exit Velocity >= 60 and < 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(ii)]
- Which Months: All Year Statistical Basis: None specified
Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
Compliance with the requirements of the Consent Decree for the No. 1 Flare is considered compliance with all the applicable requirements of LAC 33:III.2115; NSPS, 40 CFR 60, Subpart NNN and Subpart RRR. [LAC 33:III.2115, 40 CFR 60.662(b), 40 CFR 60.702(b)]
- Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- Which Months: All Year Statistical Basis: None specified
Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours.
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
Compliance with NSPS 40 CFR 60 Subpart J has been determined to be compliance in accordance with LAC 33:III.Chapter 15. [LAC 33:III.1503.C, LAC 33:III.1511]

SPECIFIC REQUIREMENTS

All ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
 Activity Number: PER20070035
 Permit Number: 3016-V1
 Air - Title V Regular Permit Major Mod

EQT0254 28, No. 1 Flare (Candelabra)

- 16 [LAC 33:III.501.C.6] Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.
- 17 [LAC 33:III.501.C.6] Flare gas: Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack.
 Which Months: All Year Statistical Basis: None specified
- 18 [LAC 33:III.501.C.6] Flare gas: Heat content recordkeeping by electronic or hard copy annually.
- 19 [LAC 33:III.501.C.6] Flare gas: Heat content monitored by heat sensing device continuously.
 Which Months: All Year Statistical Basis: None specified
- 20 [LAC 33:III.501.C.6] Presence of a flame recordkeeping by electronic or hard copy continuously.
 Which Months: All Year Statistical Basis: None specified
- 21 [LAC 33:III.509] Carbon monoxide <= 0.3829 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [LAC 33:III.509, 40 CFR 52.21]
- 22 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 23 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 24 [LAC 33:III.5113.C.2] Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.

EQT0255 29, No. 2 Flare (Pencil)

- 25 [40 CFR 52.21] Nitrogen oxides <= 0.0677 lb/MMBTU, annual average. [PSD-LA-199(M-7)]. [40 CFR 52.21, LAC 33:III.509]
 Which Months: All Year Statistical Basis: Annual average
- 26 [40 CFR 60.104(a)(1)] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart A (40 CFR 60.18) and NESHAP, 40 CFR 63, Subpart A (40 CFR 63.11) is considered compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J, Subpart VV, Subpart GGG, Subpart NNN, and Subpart RRR. NESHAP, 40 CFR 61, Subpart J and Subpart V; NESHAP, 40 CFR 63, Subpart G, Subpart H, Subpart CC and Subpart UUU. [40 CFR 60.104(a)(1), 40 CFR 60.482(d)(1)(i), 40 CFR 60.592, 40 CFR 60.662(b), 40 CFR 60.702(b), 40 CFR 61.112, 40 CFR 61.242(1)(d), 40 CFR 63.113(a), 40 CFR 63.172(d), 40 CFR 63.648, 40 CFR 63.1566]
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
 Which Months: All Year Statistical Basis: Three-hour rolling average
- 27 [40 CFR 60.104(a)(1)] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
 Which Months: All Year Statistical Basis: None specified
- 28 [40 CFR 60.105(a)(4)] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 29 [40 CFR 60.18(c)(1)] Exit Velocity < 400 ft/sec and Vmax. Determine Vmax using the method specified in 40 CFR 60.18(f)(6). Subpart A. [40 CFR 60.18(c)(5)]
 Which Months: All Year Statistical Basis: None specified
- 30 [40 CFR 60.18(c)(2)]
 31 [40 CFR 60.18(c)(3)(ii)]
 32 [40 CFR 60.18(c)(5)]

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
 Activity Number: PER20070035
 Permit Number: 3016-V1
 Air - Title V Regular Permit Major Mod

EQT0255 29, No. 2 Flare (Pencill)

- 33 [40 CFR 60.18(d)] Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)] Which Months: All Year Statistical Basis: None specified Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)] Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)] Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)] Which Months: All Year Statistical Basis: None specified Heat content \geq 300 BTU/scf (11.2 MJ/m³). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)] Which Months: All Year Statistical Basis: None specified Exit Velocity \geq 60 and $<$ 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(i)] Which Months: All Year Statistical Basis: None specified Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. Which Months: All Year Statistical Basis: None specified Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33.I.3923. Notification is required only if the upset cannot be controlled in six hours. Opacity \leq 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: Six-minute average Compliance with NSPS 40 C.F.R. 60 Subpart J has been determined to be compliance in accordance with LAC 33.III.Chapter 15. [LAC 33.III.1503.C. LAC 33.III.1511] Carbon monoxide \leq 0.3689 lb/MMBTU, 30-day average. [PSD-LA-199(M-7)]. [LAC 33.III.509, 40 CFR 52.21] Which Months: All Year Statistical Basis: Thirty-day average Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.

EQT0269 28SU/SD, No. 1 Flare Startup, FGM Maintenance, and Flare Job

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SPECIFIC REQUIREMENTS

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Air - Title V Regular Permit Major Mod

EQT0269 28SU/SD, No. 1 Flare Startup/Shutdown, FGM Maintenance, and Flare Job

50 [LAC 33.III.501.C.6]

Annual Maximum Limits and the Five Year Maximum Limits not to be exceeded

5 YR. ROLLING MAXIMUM LIMITS (Tons)

PM10 ***** 11.80
SO2 ***** 2609.85
NOx ***** 39.72
CO ***** 216.11
VOC ***** 47.98
Ammonia ***** 2.45
Benzene ***** 4.85
Carbonyl Sulfide ***** 12.50
Ethylbenzene ***** 0.65
Hydrofluoric Acid ***** 0.01
Hydrogen Sulfide ***** 80.20
n-Hexane ***** 18.55
Naphthalene ***** 1.15
Toluene ***** 3.45
Xylene ***** 2.05

ANNUAL MAXIMUM LIMIT (TPY)

PM10 ***** 5.88
SO2 ***** 1307.17
NOx ***** 19.80
CO ***** 107.71
VOC ***** 23.82
Ammonia ***** 1.08
Benzene ***** 2.13
Carbonyl Sulfide ***** 5.50
Ethylbenzene ***** 0.29
Hydrofluoric Acid ***** 0.004
Hydrogen Sulfide ***** 35.29
n-Hexane ***** 8.16
Naphthalene ***** 0.51
Toluene ***** 1.52
Xylene ***** 0.90

SPECIFIC REQUIREMENTS**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery****Activity Number: PER20070035****Permit Number: 3016-V1****Air - Title V Regular Permit Major Mod****EQT0269 28SUSD, No. 1 Flare Startup/Shutdown, FGM Maintenance, and Flare Job**

51 [LAC 33:III.501.C.6]

Permittee shall comply with the aggregated Alky Unit Startup/Shutdown emissions, Flare Gas Management emissions, and Flaring Jobs emissions limits when gases are routed to the Flare No. 1. The total emissions from the Flare No. 1 due to Alky Unit Startup/Shutdown, Flare Gas Management, and Flaring Jobs are limited to an annual maximum and on a five year rolling maximum. The permittee shall not exceed the annual tons per year, in any year, for any pollutant and the five year rolling maximum for any pollutant specified in this specific condition. The emissions are calculated based on the volume of gases routed to the Flare No. 1 during Alky Unit Startup/Shutdown emissions, Flare Gas Management emissions, and Flaring Jobs. The volume of gas in each incident shall be monitored and recorded. Permittee shall report these calculated emissions based on the gases volume routed to the Flare No. 1 during Alky Unit Startup/Shutdown, Flare Gas Management, and Flaring Jobs by March 31 for the preceding year. Permittee shall maintain the record of these emissions and also comply with the five year rolling maximum. Annual reported emissions greater than the maximum yearly emissions and the total five year rolling maximum emissions listed in this permit shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. (Consent Decree)

Compliance limits shall be calculated using the following equations:

If $i - y \geq 5$ Use Equation No. 1 (EQ1)

If $i - y < 5$ Use Equation No. 2 (EQ2)

where i = Most recent calendar year and y = Year original Part 70 permit was issued

$$\text{EQ1} \quad \text{Summation}_{i=4}^i X_i / 5 \leq 5 \text{ year rolling maximum in the permit}$$

$$\text{EQ2} \quad \text{Summation}_{i=y}^i X_i / 5 \leq 5 \text{ year rolling maximum in the permit}$$

where X_i = Actual Annual Emissions in year i (tons/yr) for all flaring incidences in that year.

EQT0270 29SUSD, No. 2 Flare Startup/Shutdown

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
 Activity Number: PER20070035
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 Air - Title V Regular Permit Major Mod

EQT0270 29SUS/SD, No. 2 Flare Startup/Shutdown

52 [LAC 33:III:501.C.6]

Annual and Maximum Limits and the Five Year Maximum Limits not to be exceeded

5 YR. MAXIMUM ROLLING LIMITS (Tons)

PM10 ***** 4.11
SO2 ***** 1.11
NOx ***** 13.73
CO ***** 74.75
VOC ***** 41.49
Ammonia ***** 0.01
Benzene ***** 1.84
Carbonyl Sulfide ***** 0.10
Ethylbenzene ***** 0.14
Hydrogen Sulfide ***** 0.04
n-Hexane ***** 0.81
Naphthalene ***** 0.25
Toluene ***** 1.38
Xylene ***** 0.89

ANNUAL MAXIMUM LIMITS (TPY)

PM10 ***** 1.64
SO2 ***** 0.44
NOx ***** 5.49
CO ***** 29.90
VOC ***** 16.60
Ammonia ***** 0.004
Benzene ***** 0.74
Carbonyl Sulfide ***** 0.04
Ethylbenzene ***** 0.06
Hydrogen Sulfide ***** 0.02
n-Hexane ***** 0.32
Naphthalene ***** 0.10
Toluene ***** 0.55
Xylene ***** 0.36.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070035

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Air - Title V Regular Permit Major Mod

EQT0270 29SUS/SD, No. 2 Flare Startup/Shutdown

53 [LAC 33:III.501.C.6]

Permittee shall comply with the aggregated Flare No. 2 Startup/Shutdown emissions limits. The total emissions from the Flare No. 2 due to Startup/Shutdown are limited to an annual maximum and on a five year rolling maximum. The permittee shall not exceed the annual tons per year, in any year, for any pollutant and the five year rolling maximum for any pollutant specified in this specific condition. The emissions are calculated based on the number of Startup/Shutdown of Flare No. 2. Permittee shall report these calculated emissions based on the number of Startup/Shutdown by March 31 for the preceding year. Permittee shall maintain the record of these emissions and also comply with the five year rolling maximum. Annual reported emissions greater than the maximum yearly emissions and the total five year maximum emissions listed in this permit shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.

Compliance limits shall be calculated using the following equations:

If $i - y \geq 5$ Use Equation No. 1 (EQ1)

If $i - y < 5$ Use Equation No. 2 (EQ2)

where $i =$ Most recent calendar year and $y =$ Year original Part 70 permit was issued

$$\text{EQ1} \quad \text{Summation } \sum_{i=4}^i X_i / 5 \leq 5 \text{ year rolling maximum in the permit}$$

$$\text{EQ2} \quad \text{Summation } \sum_{i=4}^y X_i / 5 \leq 5 \text{ year rolling maximum in the permit}$$

where $X_i =$ Actual Annual Emissions in year i (tons/yr) for all flaring incidences in that year.

FUG0012 FE-FL, No. 1 & 2 Flare Fugitives

Shall comply with the requirements of 40 CFR 60.482-1 to 482-10 as per the approval letter dated March 24, 2005 by LDEQ. Subpart GGG.

[40 CFR 60.592(a)]

Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (l). Subpart CC. [40 CFR 63.648(c)]

Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]

Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Shall comply with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG. Compliance with Subpart GGG is considered compliance with all the applicable requirements of LAC 33:III.2121. [40 CFR 60.590-593, LAC 33:III.2121]

Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A, 40 CFR 63.640-655]

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
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 Air - Title V Regular Permit Major Mod

FUG0012 FE-FL, No. 1 & 2 Flare Fugitives

61 [LAC 33.III.5109.A]

The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.

UNF0003 Flares No. 1 & 2

- 62 [40 CFR 60]
- 63 [40 CFR 61.145(b)(1)]
- 64 [40 CFR 61.148]
- 65 [40 CFR 61.342(e)]
- 66 [40 CFR 61.356(a)(4)]
- 67 [40 CFR 61.]
- 68 [40 CFR 63.]
- 69 [40 CFR 70.5(a)(1)(iii)]
- 70 [40 CFR 70.6(a)(3)(iii)(A)]
- 71 [40 CFR 70.6(a)(3)(iii)(B)]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]

Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]

Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]

All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.

All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table xx of 40 CFR 63 Subpart xx.

Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

SPECIFIC REQUIREMENTS**A1 ID: 1376 - Chalmette Refining LLC - Chalmette Refinery**

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UNF0003 Flares No. 1 & 2

72 [40 CFR 70.6(c)(5)(iv)]

73 [40 CFR 82. Subpart F]

74 [LAC 33:III.1103]

75 [LAC 33:III.1109.B]

76 [LAC 33:III.1303.B]

77 [LAC 33:III.1305]

78 [LAC 33:III.2113.A]

79 [LAC 33:III.2141.A]

80 [LAC 33:III.2141.A]

81 [LAC 33:III.219]

82 [LAC 33:III.2901.D]

83 [LAC 33:III.2901.F]

84 [LAC 33:III.5105.A.1]

85 [LAC 33:III.5105.A.2]

86 [LAC 33:III.5105.A.3]

87 [LAC 33:III.5105.A.4]

88 [LAC 33:III.5107.A.2]

Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

Outdoor burning of waste material or other combustible material is prohibited.

Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.

Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard.

Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109.B.

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A.

Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery
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UNF0003 Flares No. 1 & 2

89 [LAC 33:III.5107.A.2]
 LAC 33:III.5105.B.

90 [LAC 33:III.5107.A]
 Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

91 [LAC 33:III.5107.B.1]
 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

92 [LAC 33:III.5107.B.2]
 Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

93 [LAC 33:III.5107.B.3]
 Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.

94 [LAC 33:III.5107.B.4]
 Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.i through B.4.viii.

95 [LAC 33:III.5107.B.5]
 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

96 [LAC 33:III.5109.A.1]
 97 [LAC 33:III.5109.C]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.

98 [LAC 33:III.5113.A.1]
 Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

99 [LAC 33:III.5113.A.2]
 Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

Ensure that all testing done to determine the emission of toxic air pollutants is conducted by qualified personnel.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.

Submit notification in writing: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.i through B.4.viii.

Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.

Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER20070035

Permit Number: 3016-V1

Air - Title V Regular Permit Major Mod

UNF0003 Flares No. 1 & 2

- 101 [LAC 33:III.5113.B.1] Submit test results: Due in writing to the Office of Environmental Assessment within 45 days after completion of the test. Submit test results signed by the person responsible for the test.
- 102 [LAC 33:III.5113.B.2] Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ.
- 103 [LAC 33:III.5113.B.3] Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants.
- 104 [LAC 33:III.5113.B.4] Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through B.4.e.
- 105 [LAC 33:III.5113.B.5] Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 106 [LAC 33:III.5113.B.5] Submit certified letter: Due to the Office of Environmental Assessment before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
- 107 [LAC 33:III.5113.B.6] Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 108 [LAC 33:III.5113.B.7] Submit notification: Due to the Office of Environmental Assessment at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
- 109 [LAC 33:III.5113.C.1] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 110 [LAC 33:III.5113.C.5.d] Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters.
- 111 [LAC 33:III.5113.C.5.e] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii.
- 112 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 113 [LAC 33:III.5113.E.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5113.F.2 and F.3 for each demolition or renovation activity.
- 114 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 115 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 116 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 117 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 118 [LAC 33:III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 119 [LAC 33:III.5907] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.

SPECIFIC REQUIREMENTS**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery**

Activity Number: PER20070035

Permit Number: 3016-V1

Air - Title V Regular Permit Major Mod

UNF0003 Flares No. 1 & 2

120 [LAC 33.III.5911.A]

Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33.III.Chapter 59, whichever is later. Include the information listed in LAC 33.III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.

121 [LAC 33.III.5911.C]

Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.

122 [LAC 33.III.905]

Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

123 [LAC 33.III.913]

Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.

124 [LAC 33.III.917.A]

No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.

125 [LAC 33.III.917.B]

Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment,

126 [LAC 33.III.919.D]

Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33.III.919.A-D.

127 [LAC 33.III.927]

Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33.I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33.I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.

128 [LAC 33.III.929.A]

No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.